



## **Spectrum Frontiers**

Use of Spectrum Bands Above 24 GHz For Mobile Radio Services,  
GN Docket No. 14-177, Report and Order and Further Notice of Proposed Rulemaking  
FCC 16-89 (Jul. 14, 2016)

- Regulatory certainty and predictability is key to driving innovation and establishing investment in the satellite community.
  - Refining parameters to co-exist with terrestrial services and opening a docket on aggregate interference in to satellite stations will also facilitate overall greater spectrum usage across both satellite and terrestrial, and offer clearer opportunities for meaningful sharing.
  - It is important to take action quickly (within 90 days) as satellite providers have pending and approaching space and ground station license requests.
1. **Release a Public Notice seeking comment regarding rules for Earth Station siting for the 28 GHz and 37/39 GHz bands and methodology to calculate interference zones.**

The Commission has already identified the need to further consider and refine aspects of FSS earth station siting requirements posited in the Spectrum Frontiers Report and Order. A Public Notice will build a more robust and focused public record on siting requirements and supplementary information on modeling and coordination efforts that will provide certainty and more robust sharing between satellite service providers deploying earth stations in these bands and new terrestrial service operations subject to the Report and Order.

2. **Open a docket that addresses aggregate interference into satellite stations from UMFUS in 28 GHz bands.**

Following the opening of the 28 GHz band to UMFUS services, a more robust record based on public comment and technical information of aggregate interference into satellite stations is needed. The current record does not adequately describe planned UMFUS operations or sharing approaches to protect existing satellite investments and development of future satellite services in upper mmW bands from potential aggregate interference from UMFUs in this band. Opening a docket now would allow stakeholders to submit, for the record, information on the issue.